

Associate Director Data Science, Causal & Predictive, AI Innovation

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Job ID
326686BR
Sep 06, 2021
Ireland

Job Description

799 million. That's how many lives our products touched in 2019. And while we're proud of that fact, in this world of digital and technological transformation, we must also ask ourselves this: how can we continue to improve and extend even more people's lives.

The AI Innovation Centre is the Novartis engine and go-to place for AI Innovation. From research through commercialization, we aim to accelerate discoveries and the development of transformative medicines for patients worldwide. The AI Innovation Centre at Novartis is seeking a highly motivated incoming leader in the domain of Machine Learning to push the frontier in Life Sciences and healthcare analytics. At the AI Innovation Centre, you will take on a leadership role.

Our Associate Director of Data Science will understand complex and critical business problems from a variety of stakeholders and business functions, formulate integrated analytical approach to mine data sources, employ statistical methods and machine learning algorithms to contribute solving unmet medical needs, discover actionable insights and automate process for reducing effort and time for repeated use. High agility to be able to work across various business domains. Integrate business presentations, smart visualization tools and contextual storytelling to translate findings back to business users with a clear impact. Independently set strategy, manage budget, ensuring appropriate staffing and coordinating projects within the area supervised.

Your key responsibilities:

Your responsibilities include, but are not limited to:

- Use generative ML methods to analyse multi-modal datasets
- Have a deep understanding of and experience in building generative models
- Have a broad understanding of and experience in statistics, including Bayesian methods
- Have experience in Causal Inference and Optimization
- Take a hands-on role and deliver on highly visible multiple projects
- Serve as an ambassador for Novartis Data Science by presenting and publishing articles
- Build a bridge between academia, technology, and industry partners
- Keep ahead of latest developments in the field and mentor associates

Diversity & Inclusion / EEO

Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

Minimum Requirements

What you'll bring to the role:

- Relevant experience in Data Science Information & Decision Theories Data Visualisation Machine Learning & Deep Learning Big Data Applied Mathematics Predictive Modelling Data Management
- Statistical Programming 5+ years of relevant experience in Data Science, Data Science Libraries, Algorithms Development, Python, R Unix/Linux Source Code management (Git, bitbucket)
- An advanced degree (master's or doctoral) in a quantitative field including but not limited to Computer Science, Applied Mathematics, Astro/Physics, all relevant engineering disciplines
- Three or more years of relevant thought leadership/publication track record in Machine learning applications/generative methods
- 5+ years of experience in end-to-end analysis for large scale data sets
- Cross-industry experience highly preferred and previous experience in pharma, biotech, or healthcare desired

Why consider Novartis?

799 million! That's how many lives our products touched in 2019. And while we're proud of that fact, in this world of digital and technological transformation, we must also ask ourselves this: how can we continue to improve and extend even more people's lives?

We believe the answers are found when curious, courageous and collaborative people like you are brought together in an inspiring environment. Where you're given opportunities to explore the power of digital and data. Where you're empowered to risk failure by taking smart risks, and where you're surrounded by people who share your determination to tackle the world's toughest medical challenges.

Imagine what you could do at Novartis!

Commitment to Diversity & Inclusion:

Novartis embraces diversity, equal opportunity and inclusion. We are committed to building diverse teams, representative of the patients and communities we serve, and we strive to create an inclusive workplace that cultivates bold innovation through collaboration, and empowers our people to unleash their full potential. Novartis are an equal opportunities employer and welcome applications from all suitably qualified persons

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here: <https://talentnetwork.novartis.com/network>

#LI-NOV = Novartis

Division

CORPORATE

Business Unit

DIGITAL OFFICE

Location

Ireland

Site

Dublin

Company / Legal Entity

Novartis Ireland Limited

Functional Area

Data Science

Job Type

Full Time

Employment Type

Regular

Shift Work

No

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